

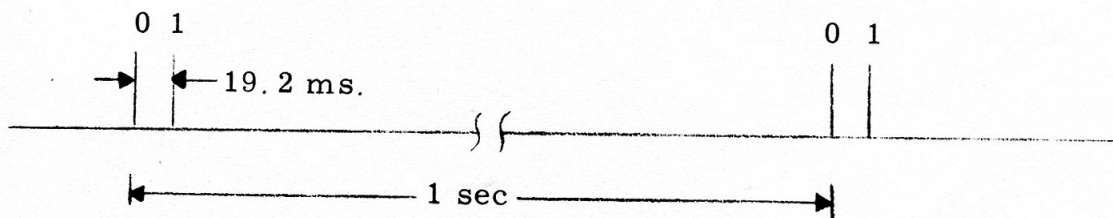
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LUMINARY Memo #83

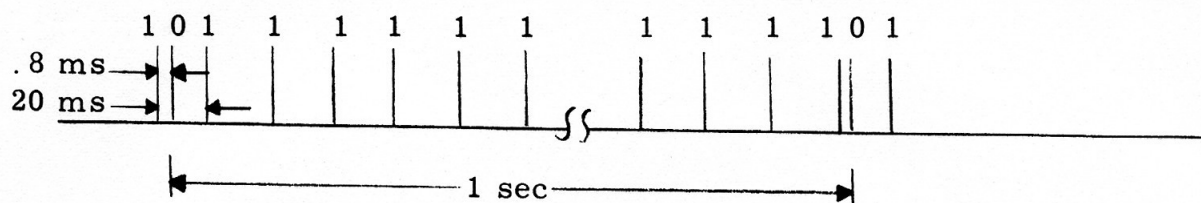
To: Distribution
From: J. Kernan
Date: 19 May 1969
Subject: LUMINARY Revision 98

Revision 98 was made to correct one problem and alleviate another.

- 1) The coding to initialize the LAMBERT iteration counter (ITERCTR) was restored to INITVEL. See LUMINARY Anomaly 65. The counter is initialized to 20 D for coasting flight (Lambert targeting) or 5 for powered flight. This change affected Rope Module 2 (bank 11₈).
- 2) The Down-Telemetry program was changed to decrease the frequency at which it writes into output channel 13 bit 7 (the word order bit). In SUNDANCE and all previous revisions of LUMINARY, the write rate of the word order bit is 51 per second, fifty 1's and one 0. This change reduces the rate to twice per second, one 1 and one 0. The two writes are nominally separated by 19.2 milliseconds.



Setting of Word Order Bit in LUMINARY 98.



Setting of Word Order Bit in LUMINARY 97

This change affected rope module 1 (Bank 5).